

PATENT
Serial No. 09/817,457
Amendment in Reply to Advisory Action of August 8, 2005

IN THE SPECIFICATION

Please amend the specification as follows:

Replace the paragraph spanning page 4-5, between page 4, line 23 and page 5, line 2 of the specification with the following:

With the algorithm to be described, a number N of time slots determined by the base station or the controller is started from, which time slots are rendered available by a TDMA frame for the data transmission. The algorithm decides which N_{i_j} time slots are assigned for the transmission of data from a transmitting terminal WT_i to a receiving terminal WT_j for the following TDMA frame. N_{i_j} thus denotes the number of time slots for a terminal WT_i that would like to transmit packets to the terminal WT_j . For example, 3 packets are to be transmitted from a terminal WT_1 to a terminal WT_2 $\{(N = 3)_{1_2}\}$, 4 packets from the terminal WT_1 to the terminal WT_4 $\{(N = 5)_{1_4}\}$, 4 packets from the terminal WT_1 to the terminal WT_3 $\{(N = 4)_{1_3}\}$, 1 packet from the terminal WT_3 to the terminal WT_1 $\{(N = 1)_{3_1}\}$, 2 packets from the terminal WT_3 to the terminal WT_2 $\{(N = 2)_{3_2}\}$, 2 packets from the

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terminal WT₂ to the terminal WT₃ {(N = 2)_{2_3}}, 3 packets from the terminal WT₂ to the terminal WT₄ {(N - 3)_{2_4}} and 5 packets from the terminal WT₄ to the terminal WT₂ {(N = 5)_{4_2}}. Here (N = x)_{i_j} means that N_{i_j} time slots are provided for a terminal ~~WT_i~~, WT_i, which transmits x packets to the terminal WT_j.

Replace the paragraph on page 5, between lines 16-20 of the specification with the following:

The following algorithm minimizes the delay caused by the change-over time. First a variable R(i) is defined for each terminal ~~WT_i~~, WT_i, which denotes the number of receiving terminals with which WT_i exchanges data in the following TDMA frame. For each N_{i_j}, j then varies from 1 to R(i) (j = 1, ..., R(i)). The total number of time slots that are reserved for a terminal WT_i may then be indicated by the variable S(i) with